# LAST WEEK OF THE AUCTION!

Monday, Tuesday, Wednesday, Thursday, Friday, Saturday,

AND THAT ENDS IT.

Monday Week the Store Must Be Given Up.

This has been the greatest jewelry auction ever held in St. Louis. Take advantage of this last opportunity of buying fine Diamonds, Watches, Jewelry, Cut Glass, etc., etc., AT YOUR OWN PRICES.

The remainder of the E. Jaccard and Merrick, W. & Phelps stocks must be closed out this week.
(Everything guaranteed by Mermod & Jaccard's.)

SALES DAILY, 10:30 A. M. to 5:30 P. M. OLIVE AND SIXTH STS.

ALL SHOW CASES, FIXTURES and CHANDELIERS FOR SALE

## BACTERIOLOGIST EXPLAINS LIFE OF TETANUS BACILLUS.

C. A. Snodgrass Is Making Cultures From Diphtheria Antitoxin Supposed to Have Caused Lockjaw.

TALKS OF ARTIFICIAL GROWTH.

C. A. Snodgras of No. 1846 Garfield avenue, a bacteriologist employed by the city in connection with the Chicago drainage canal suit, consented yesterday to give an account of the history and habits of the tetanus bacillus, the micro-organism which produces a poison which in turn causes the symptoms of lockjaw. Mr. Snodgras is engaged in making cultures from some of the diphtheria antitoxin suspected of causing several cases of tetanus and his testimony may be used in the course of the inquiry now before the Corone

BY G. A. SNODGRAS. Expert Bacteriologist.

The tetanus bacillus is a rod-like organsm which belongs to the anaeroble class of bacteria, which cannot develop in the presence of air. When in a state of sporing, that is, of producing spores which un-

ing, that is, of producing spores when the der favorable conditions may develop into germs, it becomes swollen at one end, taking on a drumstick form.

Its habitat is very wide. It is found in the soil in every part of the earth that has been explored. It can only be cultivated artificially in the absence of oxygen. This before the case scientists have been somebeing the case, scientists have been some-what perplexed to account for its presence in the soil which is impregnated with oxy-gen. The most generally accepted explanation of this fact is that it is surrounded by other micro-organisms that consume oxy-gen and thus produce the necessary anae-

This organism was discovered in 1884 by Nicolaier and was separated from all other forms of micro-organic life in 1885 by Kitasato, a Japanese. The reason it is not more generally studied is on account of the difficulty of isolating it. It will not grow when the smallest amount of oxygen is present. The method used in the bacteriol-ogical department of the City Chemist's

Hydrogen is generated in a Kipps apparatus (a flask containing zine shavings paratus (a mass containing and is passed through potassium permanga-nate to purify it; then through sulphuric acid to dry it; then into a Novy ½r, in which are placed dishes containing a medi-um, in which the suspected organism has

Charles M. Hays and Family in St.

Louis-On His Way to

Europe.

Charles M. Hays who was president of

the Southern Pacific until the first of last

October, with his family, arrived in St.

his nome in St. Louis, at the residence of W. H. Gregg, his father-in-law.

Mr. Hays and his family stopped yester-

day with Mr. Gregg at his home at No. 2013 Pine street. Here Mrs. Hays will remain, while Mr. Hays and his two oldest

while Mr. Jays and his two oldest daughters—Niss Marjorie and Miss Orian Hays—take a trip across the Atlantic. Mr. Hays and his daughters will depart from St. Louis for New York to-night over the Wabash. They will sail from New York about the last of this week. "I expect to be gone until Christmak."

"I expect to be gone until Christmak" said Mr. Hays. "I want to take a rest. I

Louis from California yesterday. Until Mr. Hays becomes actively engaged in the railroad business again, he will make

FROM ALL POINTS.

RAILROAD NEWS



Tetanus bacilli, as they appear on the lide of a powerful microscope. The small-st diameter of the germs is one-fifty-thou-andth of an inch.

don't think I ever looked to be in better health, but I am tired. I haven't had a

vacation for years, and I believe I have

Asked in regard to his plans for the fu-

Valdosta, Ga., it is understood, will be extended to Atlanta. In Western Florida Ohio parties have secured a franchise to build an electric railroad, which, with branches, will be 100 miles in length, reaching the towns of Tampa, St. Petersburg and Plant City.

The scheme includes a street railroad twenty miles long in Tampa. John P. Martin of Xenia, O., who is engaged in building an electric railroad in the latter State, is promoting the Florida enterprise.

All together, the new mileage to be built by these three projects is nearly 490, and over one-half of it will be constructed during 1902.

child an electric raliroad, which, with branches, will be 160 miles in length, reaching the towns of Tampa, St. Petersburg and Plant City.

The scheme includes a street railroad twenty miles long in Tampa. John P. Martin of Xenia, O., who is engaged in building an electric railroad in the latter State, is promoting the Florida enterprise.

All together, the new mileage to be built by these three projects is nearly 400, and over one-half of it will be constructed during 1802.

MR. HARRIMAN THE PURCHASER.

He, and Not Gaics, Supposed to Have Bought K. C. & X. C. R. R.

Kansas City, Mo., Nov. 2—It is said that the purchase of the Kansas City and Northern Connecting Railway, which was bought last week for \$800,000 by H. C. Wright, was really in furtherance of the community of interest idea and that E. H. Harriman, and not John W. Gates, was the netual purchaser of connecting inc, which runs from Pattern Connecting line, which was a part of this system, was sold to the Wabash.

been sown. The jar is then scaled and placed in an incubator at a temperature of M degrees, centrigrade.

In four or five days almost transparent colonies of the bacilli will appear, if any are present, in the suspected material. These are then inoculated on various cultural media and grown for further study.

The resistance of temans bacillius is very great, it retains lies vitality in a dry condition for months. Three hours are required to destroy it in at 1 to 1,000 blehloride solution, which will instantly kill the germs of typhoid. It will resist for ten hours a for condition of carbolic acid.

The organism enters the animal body through a wound or atrasion, possibly never through the stounch. It is commonly known that a wound from a rusty null is often followed with tetanus, the reason being that the organism is planted deeply in the tissues, there finding anaeroble conditions in which to flourish. The period of incubation in man is from three to ten days.

Xiany organisms which produce disease

incubation in man is from three to tend days.

Many organisms which produce disease multiply and enter the circulation, reaching all parts of the body. Nerve cells seem to have a special affinity for these toxins, and the disturbance that results causes the symptoms of lockjaw.

The toxins produced by the tetanus bacilli are among the most powerful known to bacteriologists. There have been separated from pure cultures and from the blood and tissues of animals affected by lockjaw, two alkaloidal substances, tetanus and tetanotoxin; also an extremely poisonous toxal-bumen. The purified toxin is fatal to mice in so small a dose as 0000006 of a gran. This is so small a quantity as to be inconceivable.

The germ itself is one fifty-thousanths of an inch in its smallest diameter and according to the company's lines passes.

The question has been raised whether the toxin increases in quantity above the initial dose injected into an animal, in the manner of a ferment. It does not. It is produced only when the tetanus bacillus is present.

Transportation Committee Meeting.
The World's Fair Transportation Committee will meet Monday to discuss the matter of railroad facilities during the Fair. The location of depots, sidings and all arrangements to be made for the accommodation of the various roads seeking an entry to the grounds will come up. The committee is composed of Julius S. Walsh, Joseph

Big Orders for Steel Rails.

Within a few days the Baltimore and Ohio will place its order for 50,000 tons of steel rails. It has not been decided what companies will receive the order.

The Pennsylvania has just given its order for 12,000 tons of steel rails, of which amount about 75,000 tons will be used on the lines east of Pittsburg and Erie.

The steel rail companies, it is estimated, will start in the first of the year with orders aggregating 1,200,000 tons of rails.

Railroad Notes. -C. H. Beggs of the Frisco returned yes-terday from a trip over the road. -The regular meeting of the Western Passenger Association will be next Thurs-

-President Ramsey, Jr., of the Wabash returned to St. Lauis yesterday. -H. N. Miller, J. T. Poe and C. H. Ack-ert of the M. & O. were in St. Louis yes-terday.

ert of the M. & O. were in St. Louis yesterday.

-E. A. How, special agent, and R. K. Smith, assistant superintendent of the Burlington, were in St. Louis yesterday.

-W. H. Gridley, superintendent of the St. Louis Valley road, will have headquarters in the Lackode building. The highest grade on this road from St. Louis to Cairo will be about thirteen feet to the mile, thus giving almost a water-level bed.

-President Benjamin Norion, General Traffic Manager C. D. Whitney of the Clover Leaf, with Cornelius Vanderbilt, departed yesterday merning from St. Louis on a special inspection trip.

-To-day changes in time will go into effect on the Clover Leaf. The day express departs from St. Louis at 7:28 in the morning, the "Commercial Traveler" at 7:30 in the evening and the accommodation at 5:36 in the evening and the accommodation at 5:36 in the evening and the accommodation at 5:00 clock in the morning.

-I. H. Lyons, with the Missouri Facific at Kansas City was in St. Louis vester-

-J. H. Lyons, with the Missouri Pacific at Kansas City, was in St. Louis yester-

raffle manager.

-W. L. Pryor, formerly passenger agent of the Philadelphia and Reading, and more recently city passenger agent of the Lehigh Valley at Scranton, Pa., has been appointed district passenger agent of the Delaware and Hedson company, with hendquarters at Scranton, succeeding H. W. Cross, resigned.

Scranton, succeeding H. W. Cross, resigned.

T. C. Beal has been made commercial agent of the Michisan Central, with head-quarters at Pittsburg.

A. C. Hain, who has been agent of the Chicago Great Wertern at Waterloo, Ia., has been appointed traveling freight and passenger agent of the company, with Iowa as his territory.

passenger agent of the company, with Iowa as his territory.

Thirty-one roads, reporting for the third week of October, give cross carnings of \$7.409,146, an increase of \$571,157, or 9.84 per cent, over the carnings for the corresponding week of last year.

The next annual meeting of the Transcontinental Passenger Association will be held at St. Louis, November 19. The question of the manipulation of skeleton tickets will be taken up.

The Michigan Central has issued a cir-

tion of the manipulation of skeleton lickets will be taken dp.

The Michigan Central has issued a circular announcing that after January 1 passenger fares on the company's lines in the State of Michigan will be 2 cents a mile.

H. L. Armstrong has been appointed city passenger agent of the Henderson Route in Louisville, in place of L. B. Mc-Kittrick, resigned, Mr. Armstrong has been city ticket agent. Mr. McKittrick will accept a position with the American Tobacco Company at St. Louis, George H. Baker has been appointed city ticket agent, in place of Mr. Armstrong.

The Southern Railway shows an increase of \$12.26 for September. The Rig Four increase in the same month was \$128,-691.

C. A. Garcelon yesterday became gen-

—C. A. Garcelon yesterday became general manager of the Pullman Palace Car Company. He was formerly a conductor for that company, and has worked his way up. —J. J. Frey, president of the Florence and Crimple Creek, one of the roads in the Don-Cripple Creek, one of the roads in the Denver and Southwestern system, has resigned. He will be succeeded by A. R. Ford, vice president of the road. Mr. Frey will continue as a director in the companies making up the Denver and Southwestern. Mr. Frey is president of the Trans-Alaskan Railroad, recently incorporated, and most of his time will be devoted to this road.

## SURPRISED THEIR FRIENDS WITH A HASTY WEDDING.



After the guests had arrived at the home hear the formal announcement of her ennext Thanksgiving, as was intended, they they will make their future home. called in Rabbi Harrison and plighted their troth before the surprised spectators.

It was a romance that caused a great sen-sation in society, but the haste was easily explained by the happy pair when time for explanations came, Mr. Shapbran has large business interests in the South, and Thursday he received an urgent call that demanded his return sooner than was exdemanded his return sooner than was expected. Not wishing to go back without his bride, it was suggested that the ceremony take place a little earlier than was at first intended, the bride-to-pe consented and the suzprize wedding was the result.

Copenhagen, Nov. 2.—The Government of the United States has asked Denmark for a decisive answer to the United States of fer to purchase the Danish West Indies. The Danish Government will not make a suzprize wedding was the result.

The couple have been sweethearts since of Miss Raye Franklin, No. 1621 North childhood and their marriage had been Compton avenue, last Thursday evening to several times postponed for minor reasons. gagement to Mr. Benjamin B. Shaphran of interfere this time, even though they had Greenville, Miss., the contracting parties to surprise their friends. They will be at changed their minds about the date of the st. Nicholas Hotel for a few days beevent, and instead of putting it off until

### UNITED STATES WANTS ANSWER

Insists on Reply to Offer for Purchase of Danish West Indies.

Simmons Hardware & Simmons Hardware & Simmons Hardware &

# Sports of All Kinds.

Whatever the sport is in which you are interested, the place to secure the things needful for its enjoyment is right here.

Outdoor and indoor athletics, hunting and fishing, parlor and club games are all provided for here.

Best quality, sufficient quantity, great variety and low prices are the most prominent features of our Sporting Goods Store.

#### Guns.

The "something" in our guns that makes them so satisfactory to every one who uses them is their quality.

The "something" in our stock that makes it so easy to select ing. from is its variety.

The "something" that sells so with their quality and variety is

the price. Three pretty good reasons for seeing us about guns, don't you

Duck Gun-Genuine Parker hammer less, Damascus barrels, finest quality throughout, \$50.00. Same with hammers, \$45.00.

L. C. Smith Duck Gun, 10-gauge, of good quality and a hard shooter, \$21.00.

Shot Gun for \$12.50-Has re-enforced breech which makes explosion im-possible and admits of the use of smokeless powder.

#### Boys' Air Rifles.

Accurate, durable Rifles that shoot a surprising distance. They cultivate skill in shooting besides the amusement they furnish.

Single Shot Air Rifle, 65c. Repeater Air Rifle, \$1.00.

#### Bicycles.

Now is the best time of the year for riding, and bicycles are very cheap at our store.

1901 Models-All sizes. \$50,00 Columbia Chainless, was

\$35.00 Columbia Chain, was \$50.00. \$35.00 Laclede Chainless, was

\$25,00 Laclede Special, was \$35.00. \$20.00 Laclede Roadster, was \$25.00. \$15.00 Laclede Junior, was \$21.50. Bicycle Oil Lamps, good quality, former price \$2.00, now 95c.

### Whitely Exercisers.



Every member of the family can ise a Whitely and get pleasure and benefit from it. Children enjoy it as much as adults, and the three strengths of cable adapts the exercise to the physical condition of everybody.

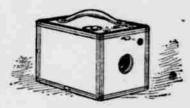
\$1,50, \$2,50, \$3.50, \$4.50 and \$7.00.

The Greatest Sporting Goods Store In the World.

#### Cameras and Supplies.

you may think to get suited in a Camera at a very low price, not when you have such a magnificent lot to select from as we are show-

Not only have we the best line of Cameras and Kodaks in the many guns for us in connection city, but also the best equipped dark room, well ventilated and comfortable, in which we are ready at all times to give instruction or render assistance to amateurs in the art of photography.



A magazine Camera that takes a 4x 5 picture, complete with 12 metal plate holders, \$4.50.

\$5.00 for a double lens Camera, with automatic shutter, double plate hold-er and sole leather carrying case; size 4x5.

A prime favorite Kodak is one that takes a 31/4x31/4 picture, holds films for 12 pictures; can be loaded and unloaded in daylight; \$6.40.

Film Kodak takes a 4x5 picture; capacity, 12 exposures without reloading. A beautiful kodak, \$16.00. Electric Rubber Tray, 4x5, 10c. Double Plate Holders, 4x5, rubber slides; can be used on all standard

cameras, 45c; 5x7, 60c. Stock Bottles-4 oz., 2 for 15c; 8 oz., 2 for 25c; 16 oz., 2 for 35c; 32 oz.,

25c each. Graduates -2 and 4 oz., absolutely correct, 10c; 8 oz., 15c.

Electric Rubber Fixing Box-4x5, 75c; 5x7, \$1,25. Zinc Washing Box-Combination 4x5 and 5x7, 65c.

Print Rollers, 4-inch, best quality, 10c. Drying Racks, heavy wood, for 24 negatives, 10c. Tripod-3-part; light and compact, \$1.15.

Ray Filter Lens Attachments, for

portrait, copying and enlarging work, 25c.

#### Duplicator, for making two exposures on one plate, 15c.

Ours are the kind that you want because of their reliable quality. They are made to stand the severest tests on the gridiron, and can be depended upon in the critical

Football Goods.

Claffin Football Shoes, \$3,50 a pair. Nose Guards, that protect both the cheeks and the nose, \$2.00.

Other kinds, \$1.25 and \$1.50. Canvas Football Suit, well padded trousers and sleeveless jackets, \$1. Footbalis-A good one at 75c, leather covers, Rugby shape; others up to \$3.50.

es, for football games, 50c

### Hunters' Furnishings.

One of the "strong points" of cur Sporting Goods Store-Hunters' clothing, boots and shoes, ammunition, guns, camp outfits, boats, decoys-everything that is necessary for hunting game of any kind, are here in a very large variety and at reasonable prices. .

Hunting Hats and Caps-all sizes, heavy duck hats, 50c; English corduroy cap, with single visor and pull-down ear laps, 75c; Corduroy Hats, \$1.00; Army duck, single visor, \$1.50

Hunting Coats-Drilling, six pockets, \$1.00. Duck, eight pockets, leather bound, \$1.50. Heavier duck, with leather-capped shoulders,\$2.00. Heavy corduroy, 4 outside pockets, 3 inside, \$5.00.

Extra fine mackinaw, waterproof, \$6.00; others up to \$10.00.

Leggings—Drilling, buckle and patent spring fastenings, 50c. Thigh leggings, 75c. Heavy army duck, brown or dead grass color, lace, buckle or patent spring clasp, leather bound, \$1.00. Grain leather, spring clasp, \$2.50; Others to \$3.50.

Shell Belts-Bright leather, hold 25 shells, 50c; leather, patent clasps for 10, 12 or 16 gauge shells, \$1.00.

Boots-Waterproof elkskin boots, 7, and 15 inches high, \$5.00, \$7.00 and \$9.00. Tan calf, \$8.50 and \$10.00. Special new thigh water-proof leather boots, \$20.00 a pair.

Trousers, Duck, dead-grass color, top pockets, \$1.25 a pair; heavier duck, double filling, \$2.00; Corduroy, double stitched seams, top pockets re-enforced, \$3.50 and \$1.50. Game Bags - Tan leather, double stitched, \$1,50; Canvas,50c and 75c.

Shell Vests—Single drilling, 4 pockets, 75c; Duck, loops to hold 50 shells, \$1.50; Corduroy vests, \$2.50 and \$3.50. Ammunition-Good quality machineloaded shells, smokeless powder, \$2.00 a hundred and up. First-class hand-loaded shells, \$2.35 and \$3,25 a hundred.

Boats-Metal ducking boats, with airtight compartments, very light, 14 feet long, \$27.00.

### Balletto Boards

Furnish all the amusement and recreation of a billiard or pool table without any of their objectionable features.

We have tables at \$1.00 to level them on, or they can be easily leveled on any dining table.

Made in red birch or mahogany—21/x5 ft., \$15, \$18, \$21; 3x6 ft., \$23 and \$27.

## **Baby Jumpers**

Give the very little people hours of quiet enjoyment and amusement, to say nothing of the comfort they bring to mothers and

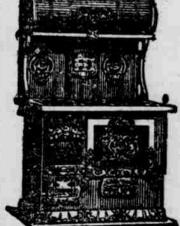
The Jumpers are strongly and handsomely made, and their use is very beneficial to children.

Three styles - japanned, oxidized, bronze and nickel plated springs, oak, maple and walnut frames-\$4.00, \$4.50, \$5.00.

Simmons Hardware & Broadway & St. Charles

## The Talk of New St. Louis.

retail house in the State of Missouri.



See our special line of Bedroom Suits that we are offering this week at......

A SURPRISE. Six-Hole Large Oven Steel Range, Guaranteed 10 Years,

\$21.35

\$16.25

\$23.75

DETROIT **JEWEL** Base Burner, for hard coal....\$21.00 Air-Tight Heaters,

947 Stoves and Ranges sold by us during the month of October. This is the largest number of Stoves sold by any

> keep fire 24 hours . Air-Tight Hot Blast. Air-Tight Oak Stove..... \$5,75

Genuine SCOTCH Linoleums, all new, per yard .....



We have a grand selection of Furniture. Bedroom Sets, Chairs Folding Beds, Pictures, Rockers, Baby Carriages—all at low prices. Cash or Credit. House-Furnishing Co.

FURNITURE.

EXTRA quality Lace Curtains, 1½ yards long, overlock edges, full width; this week, per pair.....

# YOU NEED NOT PAY ONE PENNY UNTIL CURED.

RUPTURE

The safe and certain route to strength, health and long life is open to each and every rupture victim. This route is by the famous Dr. W. A. Lewin treatment. It is a fact that pain ceases with the first treatment and bedridden patients are put on their feet at once. With pain and suffering alleviated, strength and good spirits return, you are able to attend to your daily social and businesse duties. The positive cure begins to form immediately, and in from 3 to 5 weeks permanent cure is effected. Dr. Lewin has cured over 4.00 patients in St. Louis At. any rate, with danger so imminent, it would be well to consult with Dr. Lewin. Remember he charges nothing for consultation, and if skeptical—

Office Hours: Dally, 10 A. M. to 5 P. M. Sunday, 10 A. M. to 1 P. M. Cor. S xth and Washington Ave. Washington Ave. Washington Ave